

Amendment to the Drawings:

The attached sheets of drawings – both "Replacement" and "Annotated" sheets – represent Figures 3, 4, 7, 17, 19, 20, and 22 amended as required in the Office Action.

Figures 3, 19, and 22 are amended to separately identify Fig. 3A, Fig. 3B, Fig. 19A, Fig. 19B, Fig. 22A, and Fig. 22B.

Figures 4, 7, 17, and 20 are amended to identify every sequence in the figures with the corresponding SEQ ID NO:, as found in the "Sequence Listing."

Attorney Docket No. P66506US0
Appln. No. 09/787,443

Replacement Sheets of Proposed Drawings Corrections

ATTACHMENT

WO 00/18801

Application Number 09/787,443

Amendment

September 15, 2003

PCT/DK99/00500

Replacement Sheet
3/25

Stimulation of neurite outgrowth by the C3-peptide.

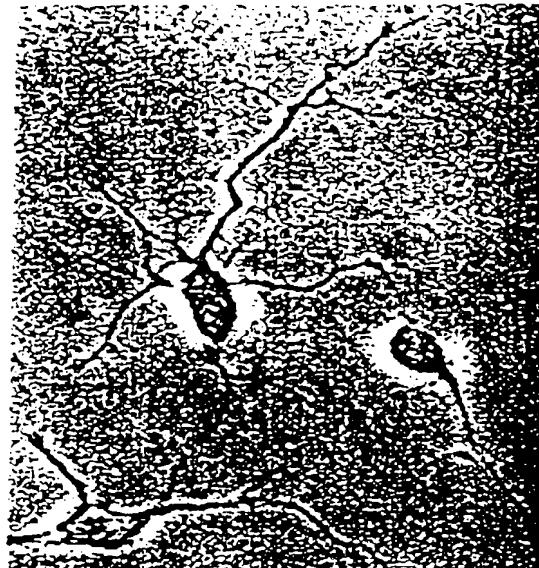


Fig. 3B

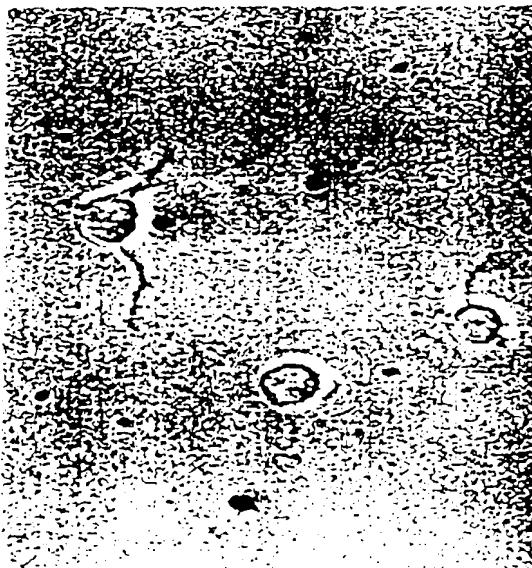


Fig. 3A

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Annotated Marked-up Sheet
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Stimulation of neurite outgrowth by the C3-peptide.

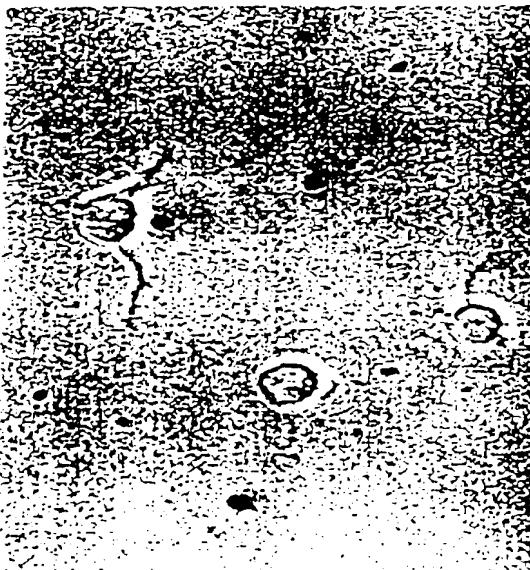
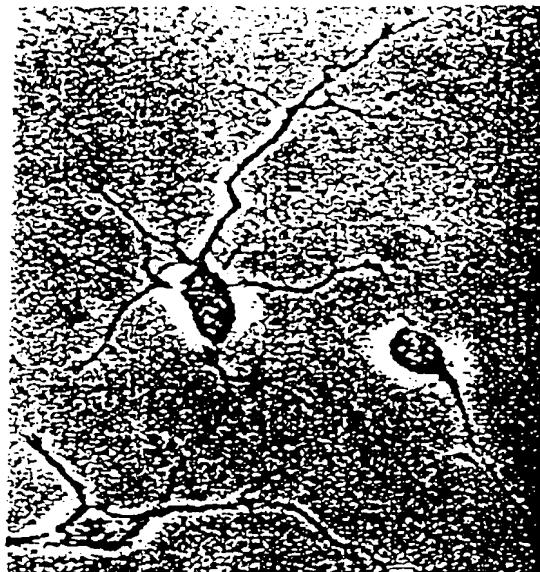


Fig. 3
Deleted

Fig. 3A
Added

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Replacement Sheet

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NCAM-Ig1 binding sequences identified from a combinatorial library of synthetic peptides.



	SEQ ID NO.:
A R A L N W G A K P K	3
A G S A V K L K K K A	4
A K Y V L I P I R I S	5
A S T K R S M Q G I -	6
A R R A I L M Q D I A L	7
A Y Y L I V R V N R I	8
A T N K K T G R R P R	9
A K R N G P L I N R I	10
A K R S V Q K L D G Q	11
A R Q K T M K P R R S	12
A G D Y N P D L D R -	13
A S K K P K R N I K A	1
A R K T R E R K S K D	14
A S Q A K R R K G P R	15
A P K L D R M I T K K	16
A K K E K P N K P N D	17
A Q M G R Q S I D R N	18
A E G G K K K K M R A	19
A K K E R Q R K D T Q	2
A K K E Q K Q R N A	20
A K S R K G N S S I M	21
A R K S R D M T A I K	22
B C I A S K K P K R N I K A A T N K K T G R R P R A R A L N W G A K P K A R Q K T M K P R R S	39 40 41 42 43 44
C D3 A K K E R Q R K D T Q A K K E K P N K P N D A R K T K S R E R K D	2 45 46
D D4 A R A L N W G A K P K A T N K K T G R R P R	3 47

FIG. 4

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NCAM-Ig1 binding sequences identified from a combinatorial library of synthetic peptides.



A	SEQ ID NO.:
A R A L N W G A K P K	3
A G S A V K L K K K A	4
A K Y V L I P I R C S	5
A S T K R S M Q G I -	6
A R R A C L M Q H V A L	7
A Y Y L I V R V N R I	8
A T N K K T G R R P R	9
A K R N G P L I N R I	10
A K R S V Q K L D G Q	11
A R Q K T M K P R R S	12
A G D Y N P D L D R -	13
A S K K P K R N I K A	1
A R K T R E R K S K D	14
A S Q A K R R K G P R	15
A P K L D R M L T K K	16
A K K E K P N K P N D	17
A Q M G R Q S I D R N	18
A E G G K K K M R A	19
A K K E R Q R K D T Q	2
A K K E Q K Q R N A	20
A K S R K G N S S L M	21
A R K S R D M T A I K	22

B	C3 A S K K P K R N I K A	39
	A K R N G P L I N R I	40
	A K R S V Q K L D G I	41
	A S T K R S M Q G I -	42
A T N K K T G R R P R		43
A R A L N W G A K P K		44
A R Q K T M K P R R S		

C	D3 A K K E R Q R K D T Q	2
	A K K E K P N K P N D	45
	A R K T K S R E R K D	46

D	D4 A R A L N W G A K P K	3
	A T N K K T G R R P R	47

FIG. 4

Column identifying
a SEQ ID NO. for
each sequence
Added.

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Replacement Sheet

PCT/DK99/00500

7/25

Effect of NCAM-Ig1 binding peptides on cell aggregation and neurite outgrowth.



Controls for NCAM Ig1 binding peptide (C3)

SUBSTITUTE SHEET (RULE 26)

- effect on neurite extension (neur) and aggregation (agg)
acetylation on lysine

FIG. 7

1. - SEQ ID NO.: 1 6. - SEQ ID NO.: 31 11. - SEQ ID NO.: 2
 2. - SEQ ID NO.: 27 7. - SEQ ID NO.: 32 12. - SEQ ID NO.: 36
 3. - SEQ ID NO.: 28 8. - SEQ ID NO.: 33 13. - SEQ ID NO.: 3
 4. - SEQ ID NO.: 29 9. - SEQ ID NO.: 34 14. - SEQ ID NO.: 37
 5. - SEQ ID NO.: 30 10. - SEQ ID NO.: 35 15. - SEQ ID NO.: 38

Controls for NCAM Ig1 binding peptide (C3)

NO:	Peptide	Sequence	Effect*
1	C3	A	- - - - -
2	C3 <i>Acetyl</i> , K(120) A	S	- - - - -
	<i>Ala subst K/R</i>	K#	- - - - -
3	116	S	- - - - -
4	117	S	- - - - -
5	118	S	- - - - -
6	119	S	- - - - -
	I'>A	A	- - - - -
7	122	A	- - - - -
8	Scrambled C3	K	- - - - -
9	121	K	- - - - -
10	C3 <i>ter</i>	N	- - - - -
11	D3	A	- - - - -
12	Scrambled D3	T	- - - - -
13	D4	R	- - - - -
14	Scrambled D4	G	- - - - -
15	K6 (dendrimer, 11,5)	K	- - - - -

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Annotated Marked-up Sheet

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Effect of NCAM-Ig1 binding peptides on cell aggregation and neurite outgrowth.



Legend matching each numbered sequence in the table with the corresponding SEQ ID NO:

Added

FIG. 7

- 1. - SEQ ID NO.: 1
- 2. - SEQ ID NO.: 27
- 3. - SEQ ID NO.: 28
- 4. - SEQ ID NO.: 29
- 5. - SEQ ID NO.: 30
- 6. - SEQ ID NO.: 31
- 7. - SEQ ID NO.: 32
- 8. - SEQ ID NO.: 33
- 9. - SEQ ID NO.: 34
- 10. - SEQ ID NO.: 35
- 11. - SEQ ID NO.: 2
- 12. - SEQ ID NO.: 36
- 13. - SEQ ID NO.: 3
- 14. - SEQ ID NO.: 37
- 15. - SEQ ID NO.: 38

17/25

The predicted amino acid sequence of human NCAM-140.
 (SEQ ID NO: 48)



1 MLQTQLIWT LFFLGTAVSL QDIVPSQGE ISVGESKEFL COVAGDAKDK DISWFSPPNGE
 61 KLTPTNQQRIS VWNDDSSST LTINANIDD AGTYKCVVTG EDGSESEATV NVKIFQKLME
 121 KNAPTPQEFR EGEDAVIVCD VVSSLPEFTII WKKGRDVIL KADURFIVLS NYLQIRGIX
 181 KTDEGTYRC E GRILARGEIN PFDIQVITNV PPTIQARQNI VNATANLGS VTLVCDAEFG
 241 PEPTMSWTKD GEQIQLQEEEDD EKVPSDDSS QLTTRKVDKN DEAEYICIAE NKAGEQDATTI
 301 HLKVPAPKPI TYVENQTMAME LEEQVTLTCE ASGDPITPSIT WRTSTRNLISS EETKLDGHAV
 361 VRSHARYSSL TIKS1QYTDI GEYICTASNT IGQDSQSMYL EVQYAPKLGQ PVAVITWEGN
 421 QVNITCEVFA YPSATISWPR DGQLIPSSNY SNIKIYNTPS ASYLEVTPDS ENDEGNYNT
 481 AVNRIGQESL EFTLVQADTP SSPSIDQVEP YSSTAQVQFD EPEATGGVPI LKYTAEMRAV
 541 GEEVWHSKWY DAKEASMEGI VTIVGLKPET TYAVRLAALN GRGLGEISAA SEFKTOPVQG
 601 EPSAPKLECQ MGEDGNSIKV NLIKQDDGGS PIRHVLVRYR ALSEMVKPEI RLPSGSDHVM
 661 LKSLDWNAY EVVVAENQQ GKSMAAHFVF RTSBQPTAIP ANGSPSTSGLS TGAIUGILIV
 721 IFVLLVWD ITCYFLNKCG LFMCIAVNL CKAGPGAKGK DMEEGKAAPS KDESKEPIVE
 781 VRTEEEERTPN HDGGKHTEPN ETTPLEPEK GPVRAKPECQ ETETKPAAE VKTVTPNDATQ
 841 TRENESKA

FIG. 17

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Annotated Marked-up Sheet

PCT/DK99/00500



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The predicted amino acid sequence of human NCAM-140.

(SEQ ID NO: 48)

*SEQ ID NO:
identifying
the sequence
Added*

1 MLQTDLWTF LFFLGTAVSL QDIVPSQGE ISVGESKEFL CQWAGDAKDK DISWPSPNCE
 61 KLTPTNQQRIS VVWNDDSSST LTIYANIDD AGIYKCVVTG EDCSESEATV NVKIPQKLMF
 121 KNAFTPOEFR EGEDAVIVCD VVSSSLEPTII WKKHKGRTVIL KDVURETVLS NNYLQIRGIX
 181 KTDEGTYRCE GRILARGEIN PKDQIQVTVNV PPTIQARQNI VNATANLGQS VTLVCDAEFG
 241 PEPTMSWTKD GEQIEQEEDD EKTYPSDDSS QLTTRKVDKN DEAEYICIAE NKAGEQDATTI
 301 HLKVPAPKPKI TYVENQTAWE LEEQVTLTCE ASGDPITPSIT WRTSTRNISI EETKLGDGHMV
 361 VRSHARKSSL TLKSIQYTDA GEYICTASNT IGQDSQSMYL EVQYAPKLGQ PVAVYTFWEGN
 421 QVNITCEVFA YPSATISWFR DGQLLPSSNY SNIKIYNTPS ASYLEVTPDS ENDFGNYNCT
 481 AVNRIGQESL EPILVQADTP SSSPSIDQVEP YSSSTAQVQFD EPEATGGVPI LKYKAEMRAV
 541 GZEVWHSKWT DAKEASMEGI VTIVGLKPET TYAVRLAALN GRGLGEISAA SEFKTOPVQG
 601 EPSAPKLEGQ MGEDGNSIKV NLIKQDDGGS PIRHYLVRYR ALSEMVKPEI RLPSGSDHVM
 661 LKSLDWAAY EVYVAENQQ GKSKRAAHFT RTSEOPTAIP ANGSPSTSGLS TGAIIVGILIV
 721 IFVILLVVWD ITCYFLNKCG LFMCIAVNLC GKAGPGAKGK DMEEGKAAPS KDESKEPIVE
 781 VRTEEEERTTPN HDGGKHTEPN ETPLITEPEK GPVEAKPECQ ETETKPAPEE VKTVPNDATO
 841 TRENESKA

FIG. 17

Replacement Sheet
19/25

The effect of the NCAM Ig2 domain and the Ig2-p peptide and control peptides derived from the Ig2-p peptide on cell aggregation.

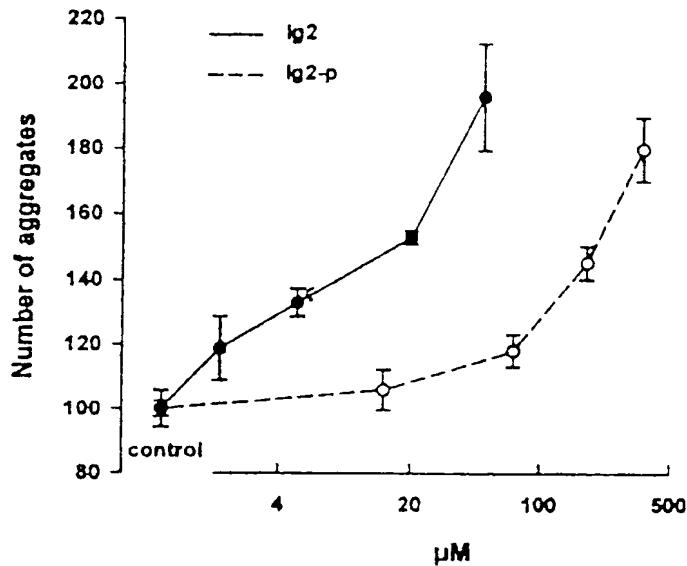


Fig. 19A

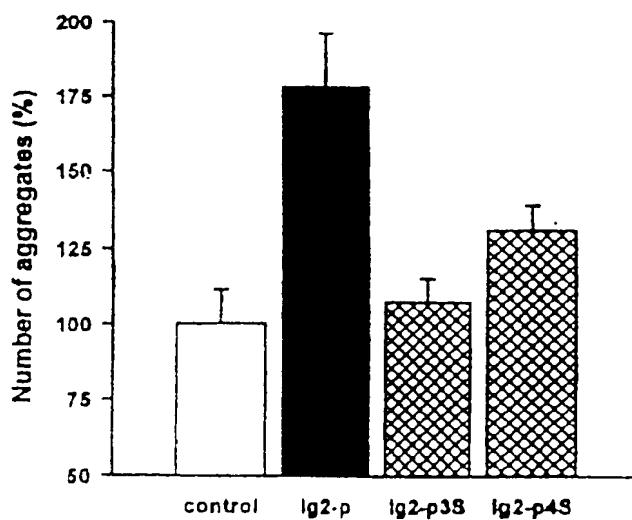


Fig. 19B

Annotated Marked-up Sheet
19/25

The effect of the NCAM Ig2 domain and the Ig2-p peptide and control peptides derived from the Ig2-p peptide on cell aggregation.

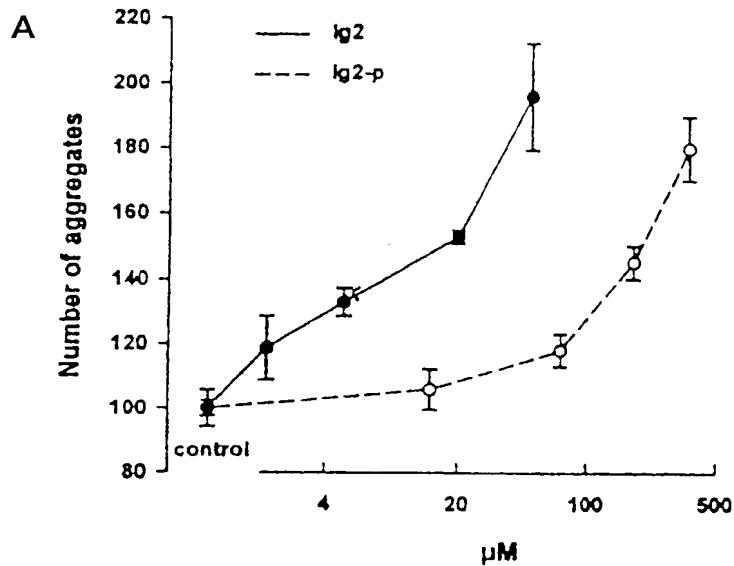


Fig. 19
Deleted

Fig. 19A

Fig. 19A)
Added

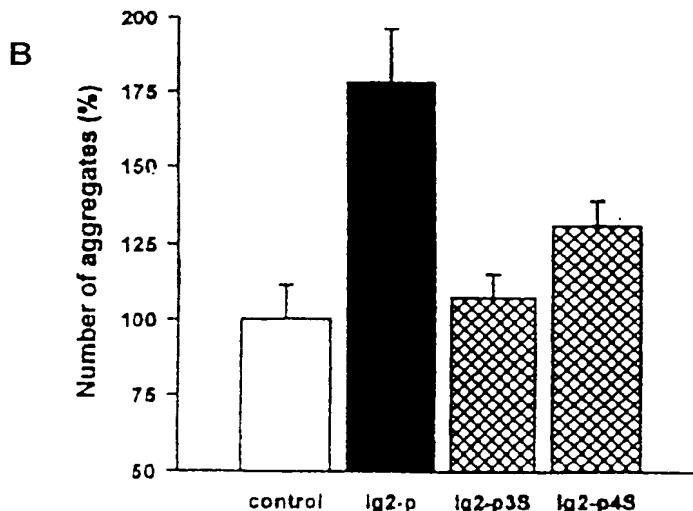


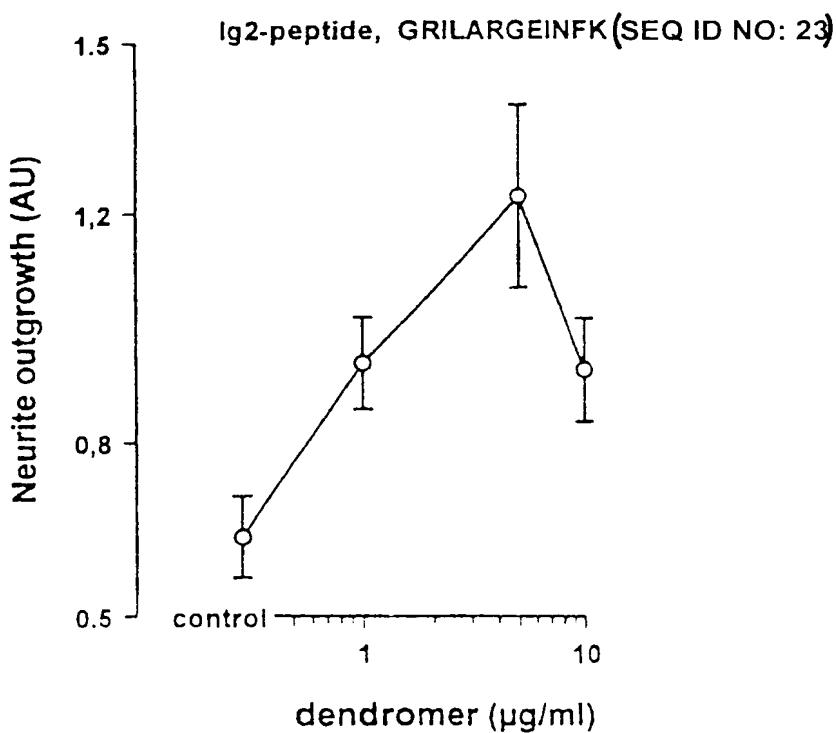
Fig. 19B

Fig. 19B)
Added

20/25

The effect of the Ig2-p peptide dendrimer on neurite outgrowth.

Fig. 20



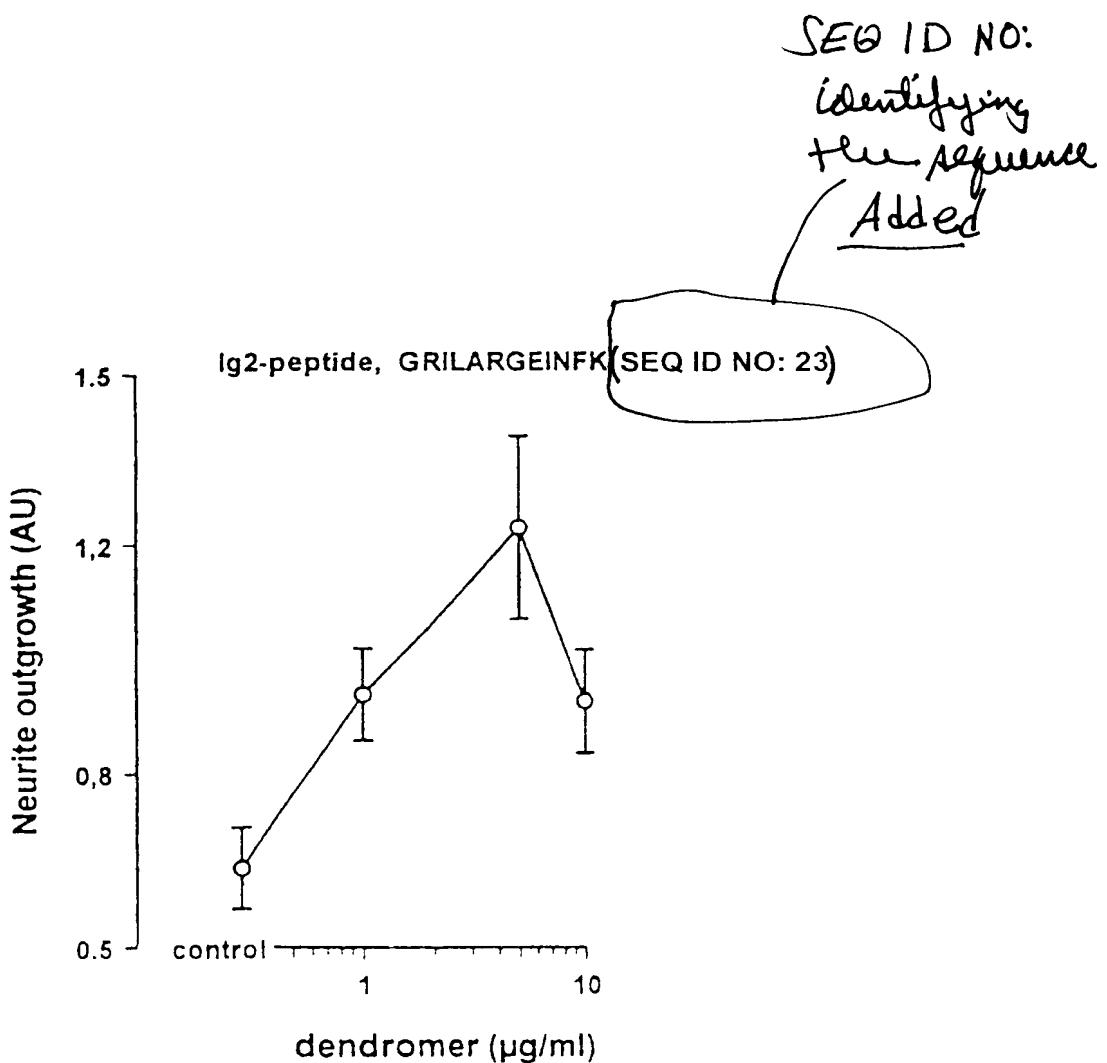
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The effect of the Ig2-p peptide dendrimer on neurite outgrowth.

Fig. 20



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Micrograph showing the effect of the Ig2-p peptide on neurite outgrowth.



Fig. 22A

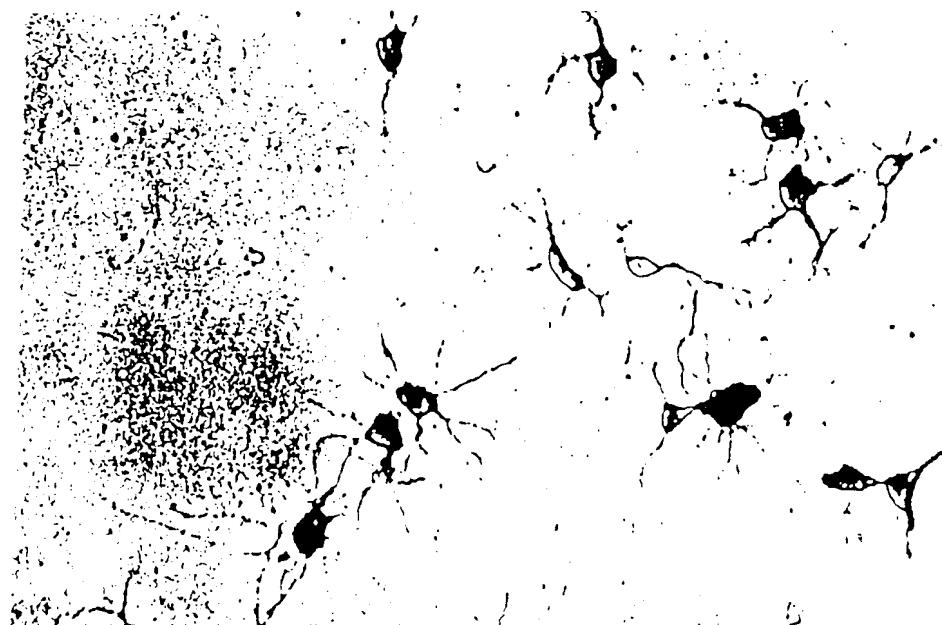


Fig. 22B

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Annotated Marked-up Sheet
22/25

Micrograph showing the effect of the Ig2-p peptide on neurite outgrowth.

A

Fig. 22A
Added

Fig. 22A

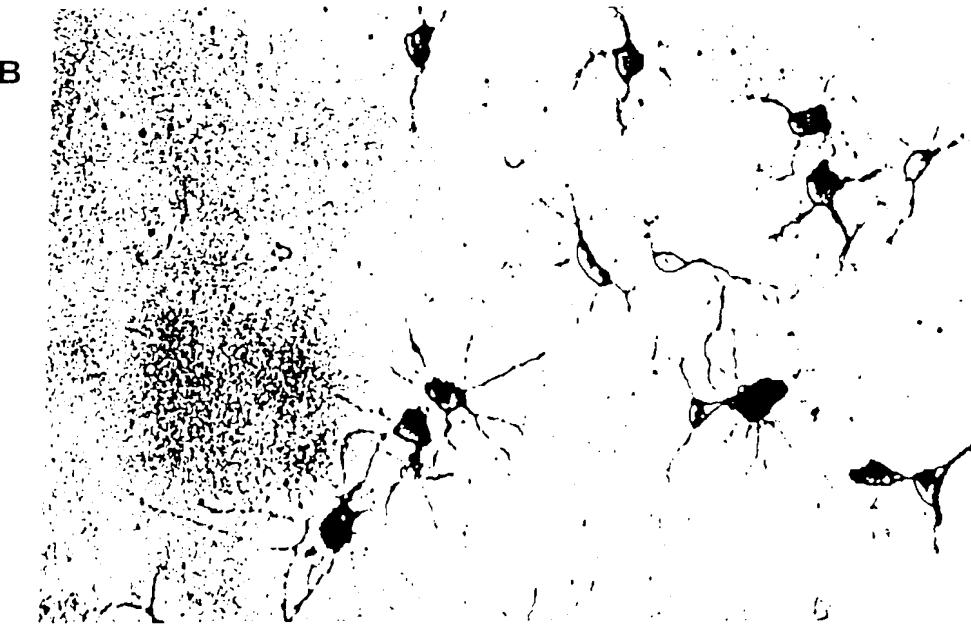
B

Fig. 22B
Added

Fig. 22B